

SEQUENCE LISTING



<110> HEINEGARD, DICK
LORENZO, PILAR

<120> CARTILAGE INTERMEDIATE LAYER PROTEIN AND NUCLEIC ACIDS
THEREFOR

<130> 02386.0046 SEQUENCE LISTING

<140> 09/609,383

<141> 2000-07-03

<150> 60/142,054

<151> 1999-07-02

<160> 22

<170> PatentIn Ver. 2.1

<210> 1

<211> 4175

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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 35 40 45
 Thr Leu Glu Ser Pro Gly Glu Trp Thr Thr Leu Phe Asn Ile Asp Tyr
 50 55 60
 Pro Gly Gly Lys Gly Asp Tyr Glu Arg Leu Asp Ala Ile Arg Phe Tyr
 65 70 75 80
 Tyr Gly Asp Arg Val Cys Ala Arg Pro Leu Arg Leu Glu Ala Arg Thr
 85 90 95
 Thr Asp Trp Thr Pro Ala Gly Ser Thr Gly Gln Val Val His Gly Ser
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 Pro Arg Glu Gly Phe Trp Cys Leu Asn Arg Glu Gln Arg Pro Gly Gln
 115 120 125
 Asn Cys Ser Asn Tyr Thr Val Arg Phe Leu Cys Pro Pro Gly Ser Leu
 130 135 140
 Arg Arg Asp Thr Glu Arg Ile Trp Ser Pro Trp Ser Pro Trp Ser Lys
 145 150 155 160
 Cys Ser Ala Ala Cys Gly Gln Thr Gly Val Gln Thr Arg Thr Arg Ile
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 Cys Leu Ala Glu Met Val Ser Leu Cys Ser Glu Ala Ser Glu Glu Gly
 180 185 190
 Gln His Cys Met Gly Gln Asp Cys Thr Ala Cys Asp Leu Thr Cys Pro
 195 200 205
 Met Gly Gln Val Asn Ala Asp Cys Asp Ala Cys Met Cys Gln Asp Phe

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Ala Ala Ile Tyr Leu Leu Thr Lys Thr Pro Lys Leu Leu Thr Gln Thr				
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Asp Ser Asp Gly Arg Phe Arg Ile Pro Gly Leu Cys Pro Asp Gly Lys				
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Ser Ile Leu Lys Ile Thr Lys Val Lys Phe Ala Pro Ile Val Leu Thr				
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Met Pro Lys Thr Ser Leu Lys Ala Ala Thr Ile Lys Ala Glu Phe Val				
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Arg Ala Glu Thr Pro Tyr Met Val Met Asn Pro Glu Thr Lys Ala Arg				
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Arg Ala Gly Gln Ser Val Ser Leu Cys Cys Lys Ala Thr Gly Lys Pro				
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Arg Pro Asp Lys Tyr Phe Trp Tyr His Asn Asp Thr Leu Leu Asp Pro				
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Ser Leu Tyr Lys His Glu Ser Lys Leu Val Leu Arg Lys Leu Gln Gln				
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His Gln Ala Gly Glu Tyr Phe Cys Lys Ala Gln Ser Asp Ala Gly Ala				
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Val Lys Ser Lys Val Ala Gln Leu Ile Val Thr Ala Ser Asp Glu Thr				
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Pro Cys Asn Pro Val Pro Glu Ser Tyr Leu Ile Arg Leu Pro His Asp				
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Cys Phe Gln Asn Ala Thr Asn Ser Phe Tyr Tyr Asp Val Gly Arg Cys				
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Pro Val Lys Thr Cys Ala Gly Gln Gln Asp Asn Gly Ile Arg Cys Arg				
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Asp Ala Val Gln Asn Cys Cys Gly Ile Ser Lys Thr Glu Glu Arg Glu				
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Ser Cys Gln Arg Cys Thr Glu Thr Arg Ser Ile Val Arg Gly Arg Val						
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Ser Ala Ala Asp Asn Gly Glu Pro Met Arg Phe Gly His Val Tyr Met						
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Gly Asn Ser Arg Val Ser Met Thr Gly Tyr Lys Gly Thr Phe Thr Leu						
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His Val Pro Gln Asp Thr Glu Arg Leu Val Leu Thr Phe Val Asp Arg						
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Leu Gln Lys Phe Val Asn Thr Thr Lys Val Leu Pro Phe Asn Lys Lys						
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Gly Ser Ala Val Phe His Glu Ile Lys Met Leu Arg Arg Lys Glu Pro						
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Ile Thr Leu Glu Ala Met Glu Thr Asn Ile Ile Pro Leu Gly Glu Val						
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Val Gly Glu Asp Pro Met Ala Glu Leu Glu Ile Pro Ser Arg Ser Phe						
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Tyr Arg Gln Asn Gly Glu Pro Tyr Ile Gly Lys Val Lys Ala Ser Val						
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Thr Phe Leu Asp Pro Arg Asn Ile Ser Thr Ala Thr Ala Ala Gln Thr						
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Asp Leu Asn Phe Ile Asn Asp Glu Gly Asp Thr Phe Pro Leu Arg Thr						
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Tyr Gly Met Phe Ser Val Asp Phe Arg Asp Glu Val Thr Ser Glu Pro						
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Leu Asn Ala Gly Lys Val Lys Val His Leu Asp Ser Thr Gln Val Lys						
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Arg Asn Lys Arg Glu Asp Arg Thr Phe Leu Val Gly Asn Leu Glu Ile						

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Arg Glu Arg Arg Leu Phe Asn Leu Asp Val Pro Glu Ser Arg Arg Cys		
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Phe Val Lys Val Arg Ala Tyr Arg Ser Glu Arg Phe Leu Pro Ser Glu		
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Val Gly Pro Leu Glu Val Asn Val Arg Ser Arg Asn Met Gly Gly Thr		
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His Arg Arg Thr Val Gly Lys Leu Tyr Gly Ile Arg Asp Val Arg Ser		

980	985	990
Thr Arg Asp Arg Asp Gln Pro Asn Val Ser Ala Ala Cys Leu Glu Phe		
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Lys Cys Ser Gly Met Leu Tyr Asp Gln Asp Arg Val Asp Arg Thr Leu		
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Val Lys Val Ile Pro Gln Gly Ser Cys Arg Arg Ala Ser Val Asn Pro		
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Met Leu His Glu Tyr Leu Val Asn His Leu Pro Leu Ala Val Asn Asn		
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Asp Thr Ser Glu Tyr Thr Met Leu Ala Pro Leu Asp Pro Leu Gly His		
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<212> PRT

<213> Homo sapiens

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Thr Xaa Lys

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Phe Ala Pro Ile Val Leu Asp Met Pro Lys
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Asn Pro Ser Ile Phe Ala Lys
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Thr	Phe	Val	Asp	Arg	Leu	Gln	Lys
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